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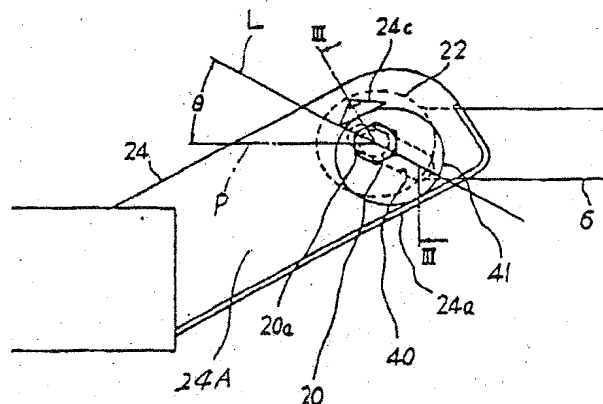
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Wheel alignment adjusting mechanism.

A wheel alignment adjusting mechanism (W) for a rear suspension system for an automotive vehicle. The wheel alignment adjusting mechanism is comprised of a rear upper link (6) for movably connecting a wheel supporting member (3) and a bracket (24) projecting from a suspension member assembly (1). The rear upper link is pivotally connected at one end thereof with the bracket through a pivot pin (20). The pivot pin is movably fitted within elongate openings (40) which are formed respectively in two side plate sections (24A, 24B) of the brackets. The longitudinal axis (L) of each elongate opening inclines to be lowered in the outboard direction by an angle (θ) of 30 degrees relative to a horizontal plane (P) in a vehicle body, thereby maintaining smaller change amounts in wheel alignment along with suspension stroke.

FIG. 2



EP 0 306 046 A3



| DOCUMENTS CONSIDERED TO BE RELEVANT | | | |
|---|---|--|---|
| Category | Citation of document with indication, where appropriate, of relevant passages | Relevant to claim | CLASSIFICATION OF THE APPLICATION (Int. Cl.4) |
| Y | US-A-4 619 465 (R. D. JOHNSON) * column 3, lines 23-50; figures 1,2 * | 1-6 | B 60 G 7/02 B 62 D 17/00 |
| Y | US-A-3 526 413 (A. J. MULLER) * column 1, line 52 - column 2, line 14; column 3, lines 6-64; figures 1-4 * | 1-6 | |
| A | --- | 8 | |
| A | EP-A-0 071 250 (NISSAN) * page 7, line 8 - page 8, line 23; figures 1,2,10; page 14, line 18 - page 15, line 5; page 15, line 27 - page 16, line 4 * | 1,4-6 | |
| A | GB-A-2 036 241 (HONDA) * page 2, lines 38-114 * | 1,2,6,7 | |
| A | FR-A-1 451 549 (SIMCA) * page 1, left-hand column, lines 13-30; page 1, right-hand column, line 7 - page 2, left-hand column, line 18 * | 8 | |
| | | | TECHNICAL FIELDS SEARCHED (Int. Cl.4) |
| | | | B 60 G B 62 D |
| The present search report has been drawn up for all claims | | | |
| Place of search BERLIN | | Date of completion of the search 30-12-1989 | Examiner BROYDE M P |
| CATEGORY OF CITED DOCUMENTS X : particularly relevant if taken alone Y : particularly relevant if combined with another document of the same category A : technological background O : non-written disclosure P : intermediate document T : theory or principle underlying the invention E : earlier patent document, but published on, or after the filing date D : document cited in the application L : document cited for other reasons & : member of the same patent family, corresponding document | | | |

EPO FORM 1503 03.82 (P0401)